

12 **EUROPEAN PATENT APPLICATION**

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54 **X-ray fluorescent image intensifier.**

57 An X-ray fluorescent image intensifier is disclosed, which comprises an input screen for converting an incident X-ray image into photoelectrons, electrodes for accelerating and focusing photoelectrons and an output screen for converting the accelerated and focused photoelectrons. The input screen (60) consists of an input substrate (600) consisting of a lamination of a plurality of mesh plates (601) each having a plurality of apertures (603), said input substrate (600) having a plurality of through holes consisting of an interconnection of said apertures (603), and phosphor (604) buried in said through holes, and a photocathode (630) formed on said input substrate (600) with phosphor (604) buried in said through holes.

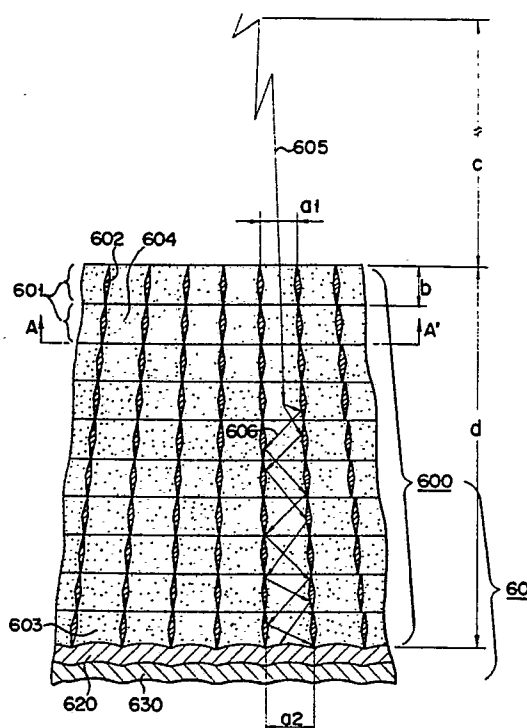


FIG. 6A



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X	US-A-3 852 132 (J. HOUSTON) * Column 4, lines 17-42; column 4, line 67 - column 5, line 7; column 6, lines 36-46; figures 3,7 *	1-3,8,9 ,12,14- 16,21, 22	H 01 J 29/38 H 01 J 9/12 H 01 J 31/50
A	---	4,5,17, 18,25, 27,28	
A	US-A-4 011 454 (LUBOWSKI et al.) * Column 2, lines 3-14; column 4, lines 53-58; column 5, lines 14-18,45-48; column 6, lines 18-23,38-42,58-68; column 8, lines 42-51; column 9, lines 19-25; figure 3h *	1,25	
D,A	PATENT ABSTRACTS OF JAPAN, vol. 4, no. 52 (E-7)[534], 18th April 1980, page 61 E 7; & JP-A-55 21 805 (TOKYO SHIBAURA DENKI K.K.) 16-02-1980 -----	1,25	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			H 01 J 9/00 H 01 J 29/00
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 29-08-1989	Examiner ROWLES K.E.G.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			